

 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
TOYOTA PRIUS Hatchback (_W2_) 1.5 Hybrid (NHW20_)

The steps may slightly vary depending on the car design.



REPLACEMENT: COIL SPRINGS – TOYOTA PRIUS 2. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 10
- Drive socket # 14
- Drive socket # 17
- Drive socket # 19
- HEX bit no.H6.
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Wheel chock

Replacement: coil springs – Toyota Prius 2. AUTODOC experts recommend:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: COIL SPRINGS – TOYOTA PRIUS 2. USE THE FOLLOWING PROCEDURE:

1



Open the boot lid.

2



Move the folding shelf and detach it from the retainers. By doing this, you will get access to the side trim plastic panels.

3



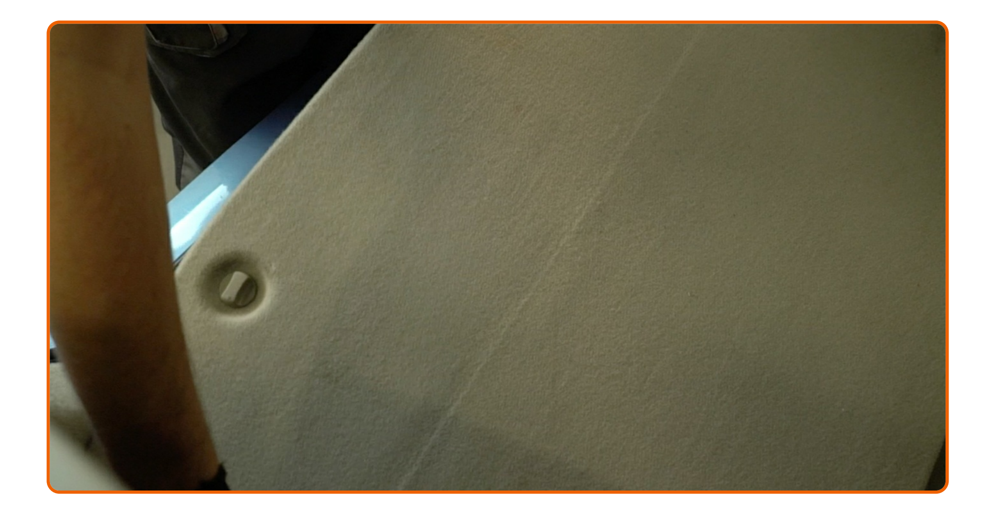
Raise the lower lining of the boot.

4



Remove the clips of the boot front lower lining. Use a clip removal tool.

5



Remove the boot front lower lining.

6



Fold down the backrests of the rear seats.

7



Unscrew the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.

8



Lift up the central plastic cover (the battery cover).

9



Detach the boot side lining.

10

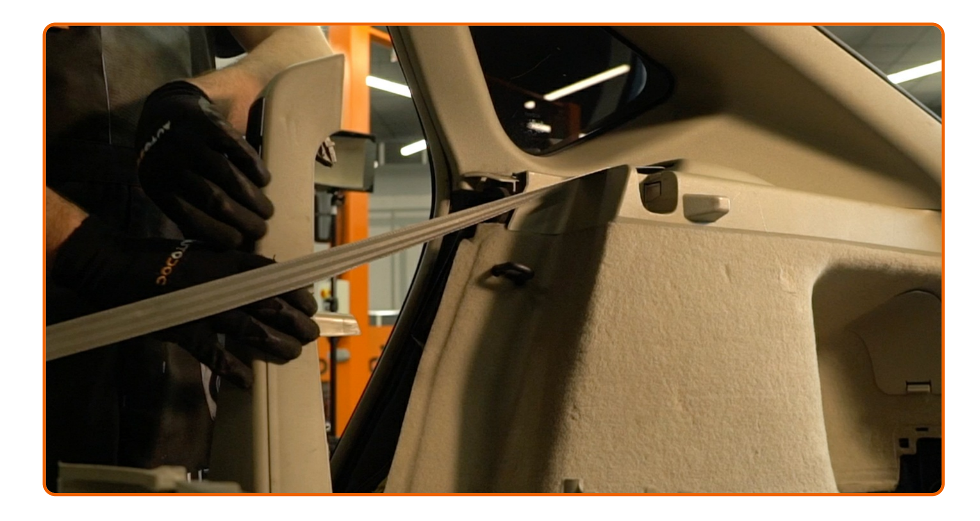
Remove the side plastic cover.

11



Unscrew the fasteners of the side plastic trim panel. Use a drive socket #10. Use a ratchet wrench.

12



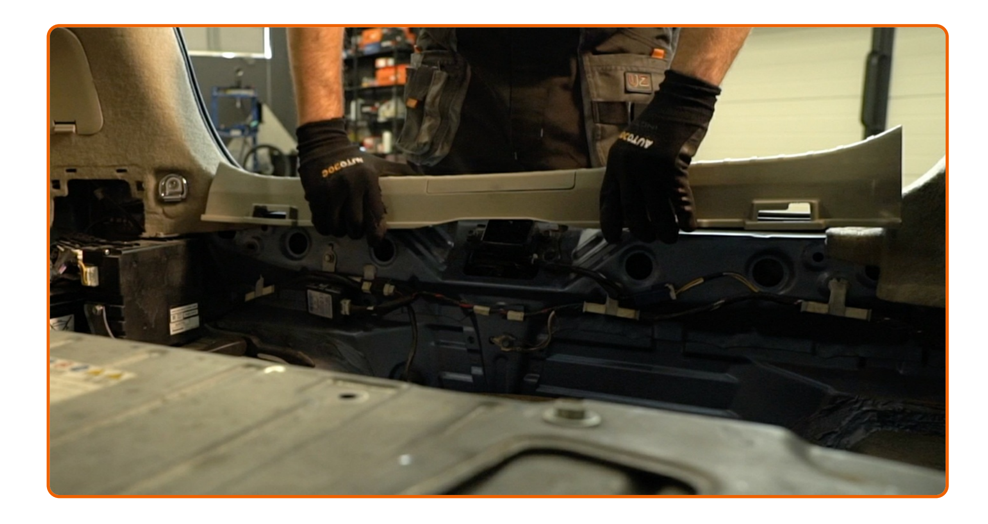
Remove the seat belt trim cover.

13



Unscrew the fasteners of the side plastic trim panel. Use a drive socket #10. Use a ratchet wrench.

14



Remove the plastic door sill plate.

15



Unscrew the fastener and remove the boot side sound insulation. Use a drive socket #10. Use a ratchet wrench.

16



Detach the heater air hose.



17



Loosen the upper fastener of the shock strut mount. Use a drive socket #14. Use a ratchet wrench.

18



Secure the wheels with chocks.

19



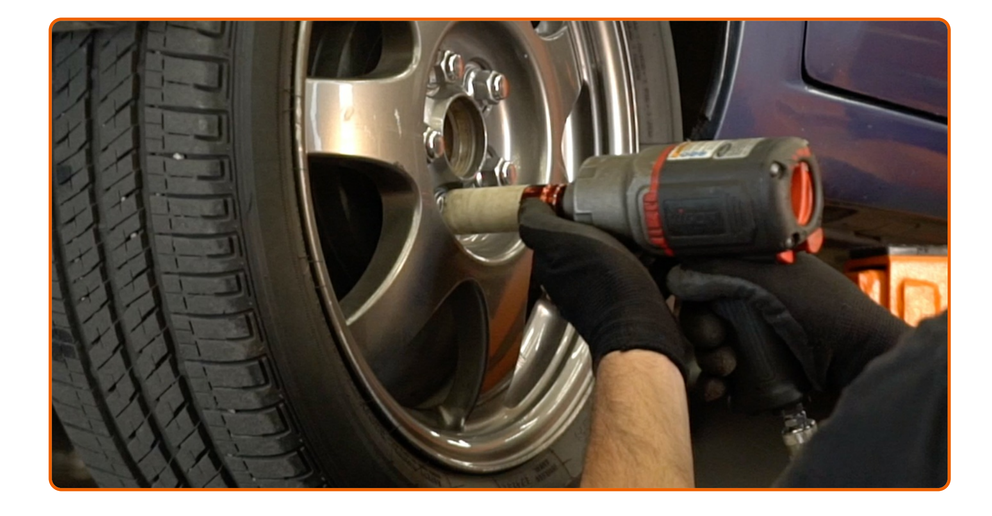
Loosen the wheel mounting bolts. Use wheel impact socket #21.

20



Raise the rear of the car and secure on supports.

21



Unscrew the wheel bolts.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts.
  Toyota Prius 2

22



Remove the wheel.

23



Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.

24



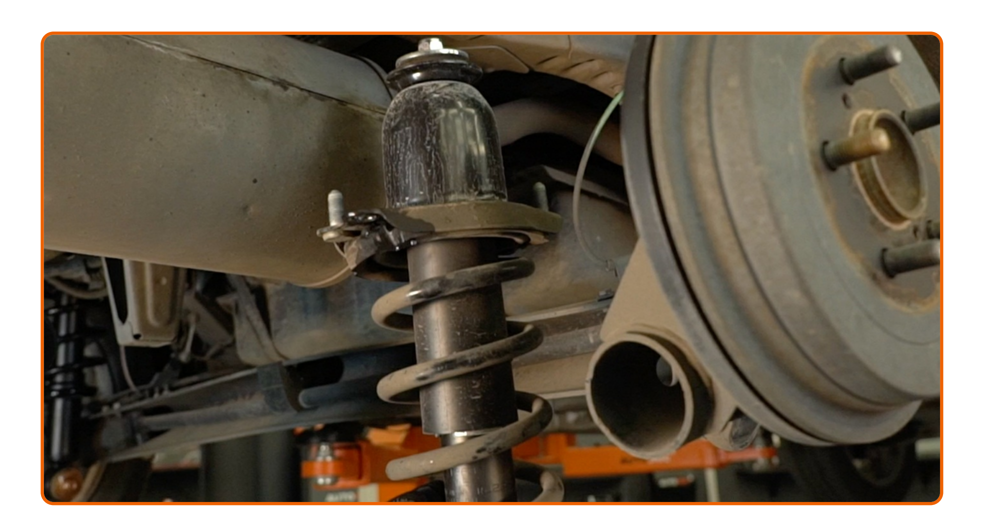
Unscrew the lower fastener of the shock absorber strut. Use a drive socket #19. Use a ratchet wrench.

25



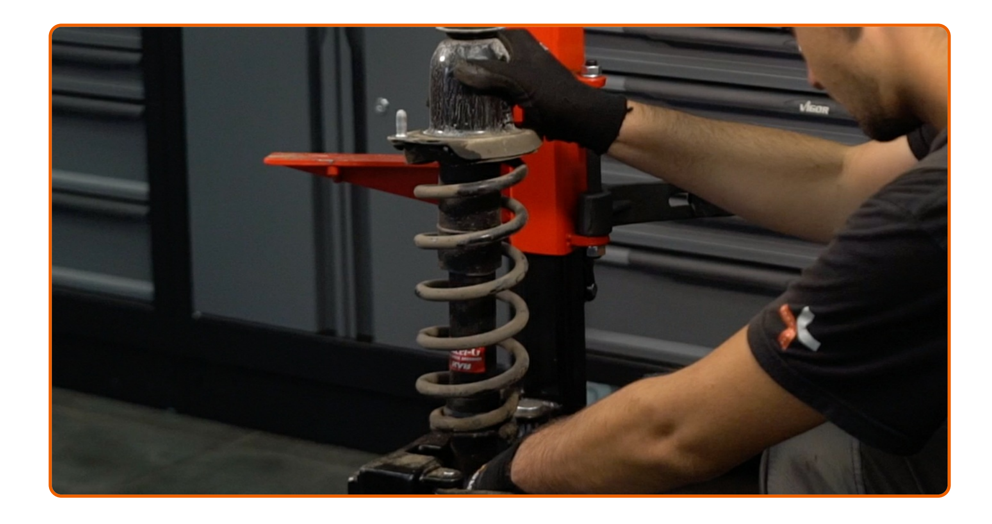
Unscrew the top fastening of the shock strut mount. Use a drive socket #14. Use a ratchet wrench.

26



Remove the suspension strut. Use a crowbar.

27

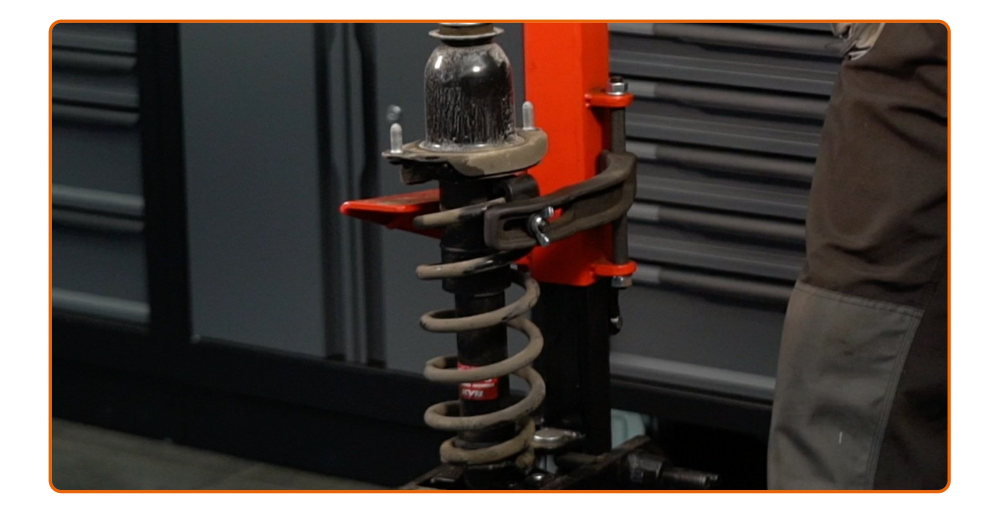


Set the shock absorber strut on the spring compressor tool.

Replacement: coil springs – Toyota Prius 2. Tip from AUTODOC experts:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

28



Compress the spring.

29



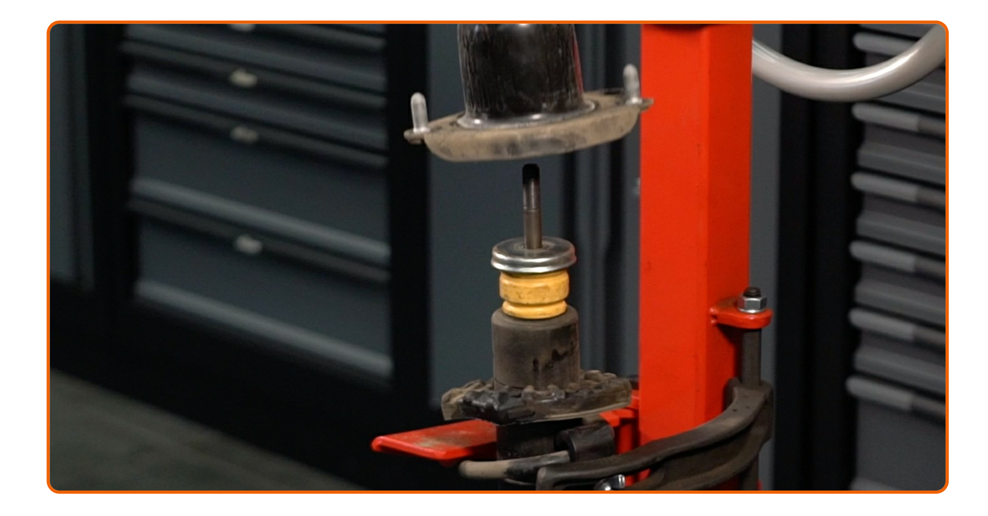
Treat the shock strut rod. Use a wire brush. Use WD-40 spray.

30



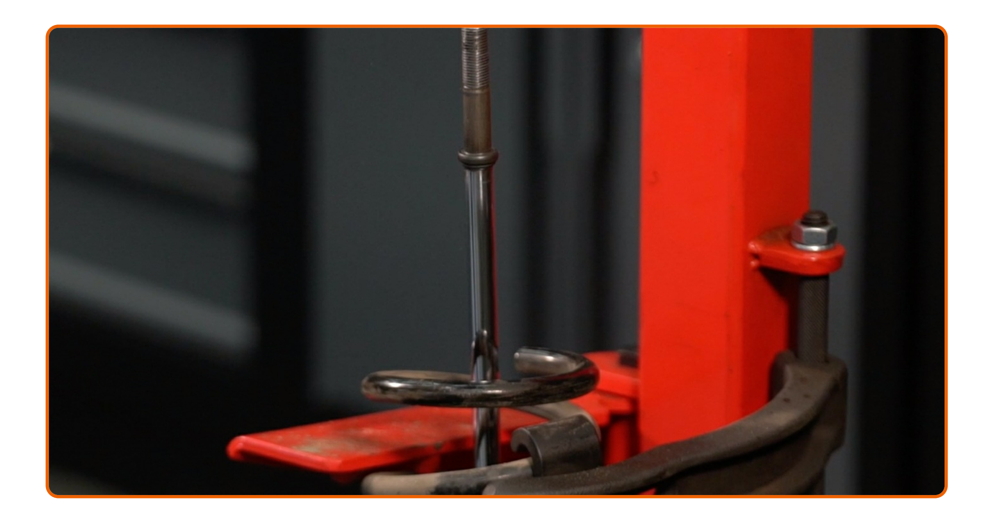
Remove the strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a ratchet wrench.

31



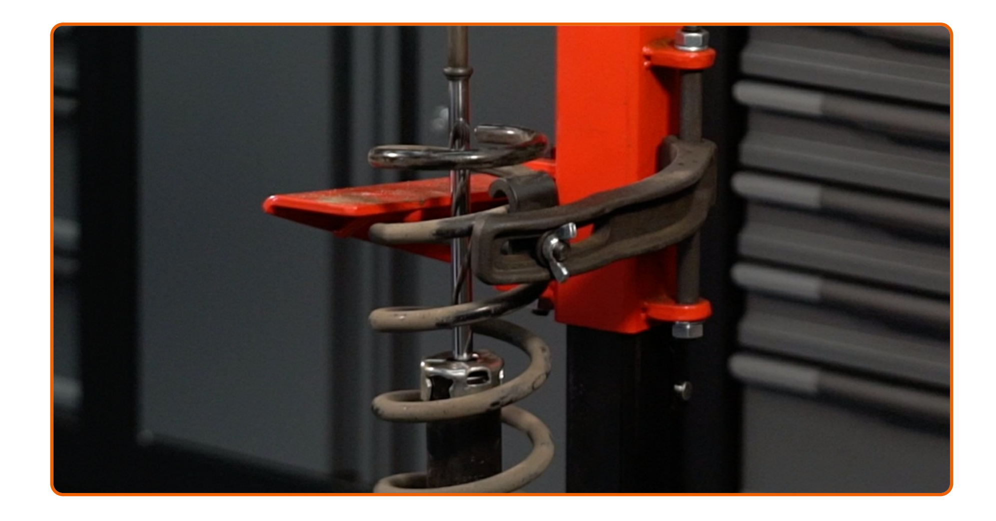
Remove the top strut mount.

32



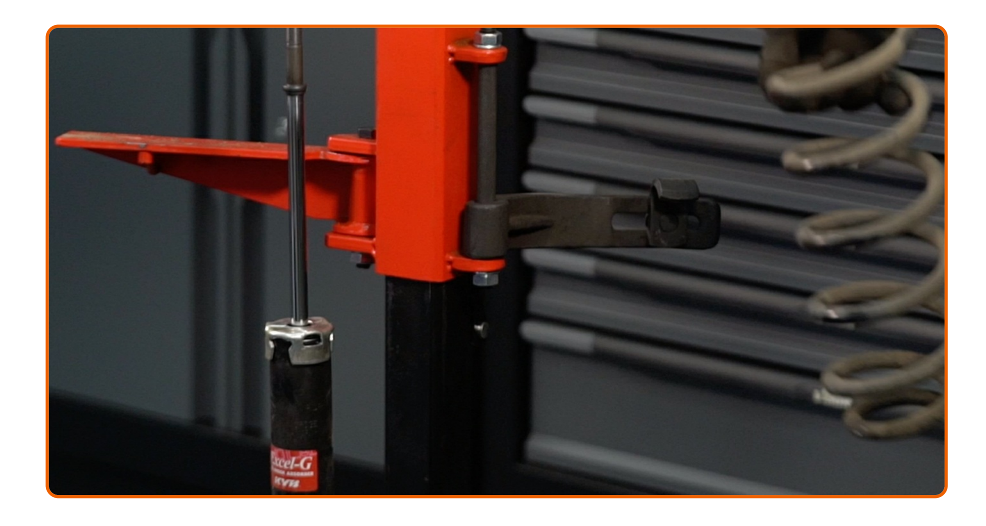
Remove the shock absorber dust cap and the bump stop.

33



Release the coil spring.

34

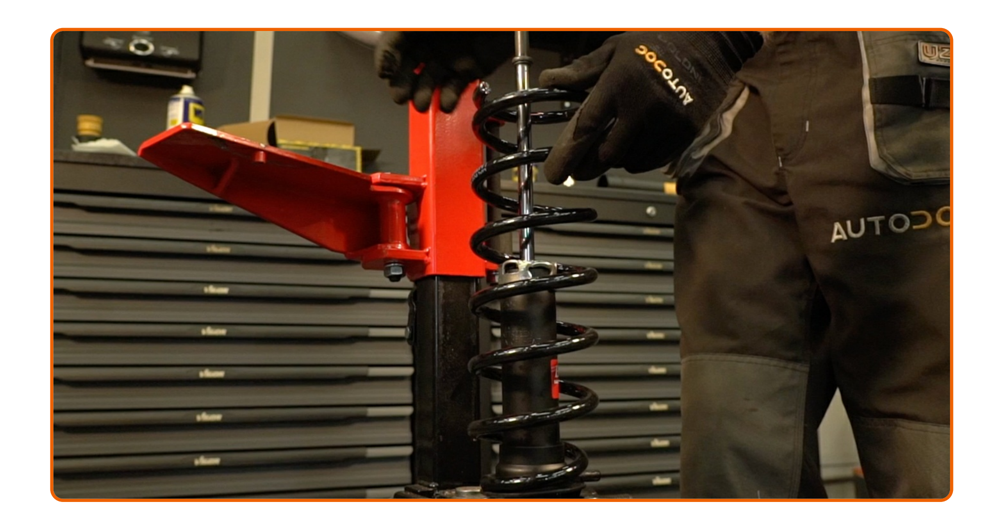


Remove the spring.

AUTODOC recommends:

- Replacement: coil springs – Toyota Prius 2. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

35



Install the spring on the shock absorber.

36



Compress the spring.

37



Install the boot and a bump stop onto the shock absorber.

38



Install the upper strut mount and the strut mount bearing.

39



Tighten the shock strut piston rod nut. Use a drive socket #17. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.

Replacement: coil springs – Toyota Prius 2. Professionals recommend:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

40



Treat the shock strut rod. Use copper grease.

41



Decompress the spring.

42



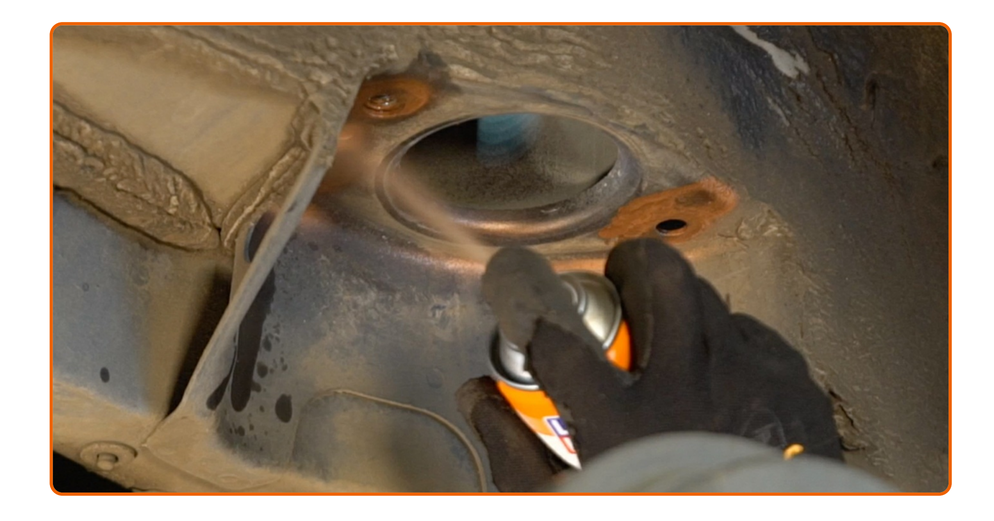
Remove the assembled shock strut.

43



Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.

44



Treat the mounting seats of the shock strut. Use copper grease.

45



Install the shock strut into the wheel arch.



46

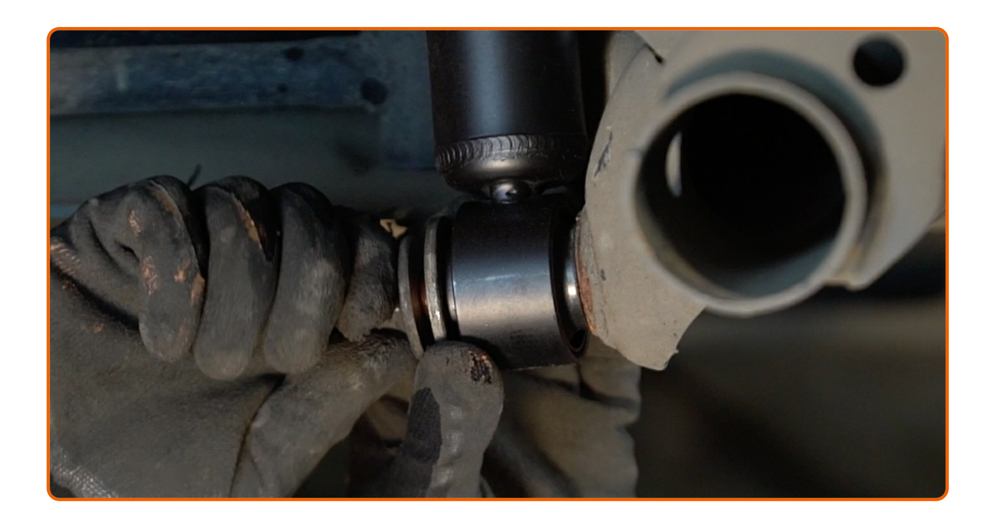


Screw the top fastening of the shock strut mount. Do not tighten it.

Replacement: coil springs – Toyota Prius 2. Tip:

- To avoid injuries, hold the shock strut when screwing the fastening bolts in.

47



Screw in the lower fastener of the shock strut.

48



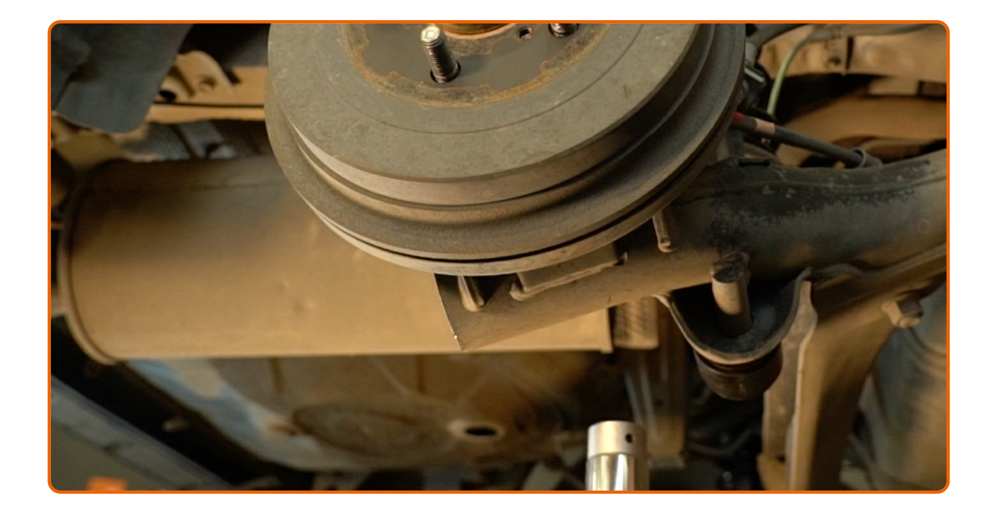
Support the rear suspension beam. Use a hydraulic transmission jack.

49



Tighten the lower fastening of the shock absorber. Use a drive socket #19. Use a torque wrench. Tighten it to 80 Nm torque.

50



Remove the mounting from under the rear axle beam.

AUTODOC recommends:

- Replacement: coil springs – Toyota Prius 2. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

51



Install the wheel.

Replacement: coil springs – Toyota Prius 2. Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

52



Screw in the wheel bolts. Use wheel impact socket #21.

53



Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.

54



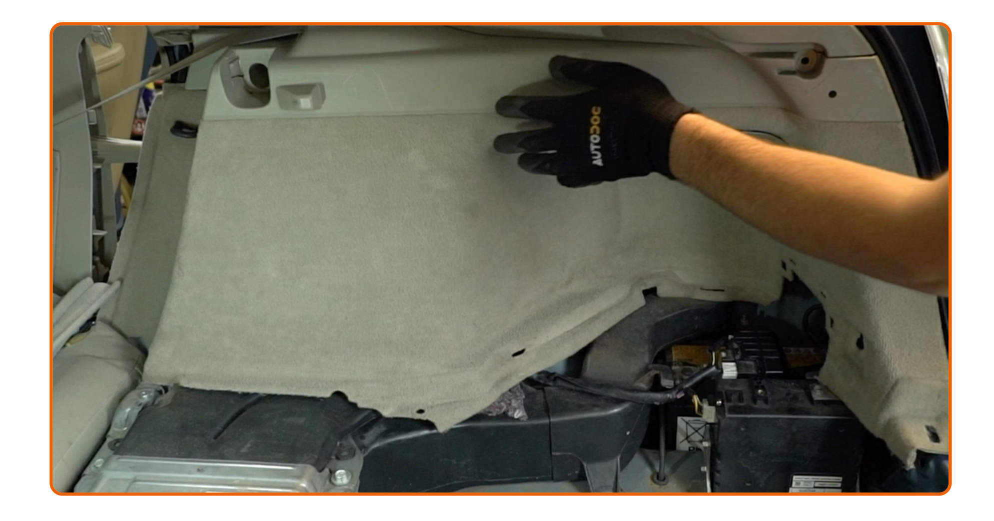
Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #14. Use a torque wrench. Tighten it to 55 Nm torque.

55



Install the heater air hose.

56



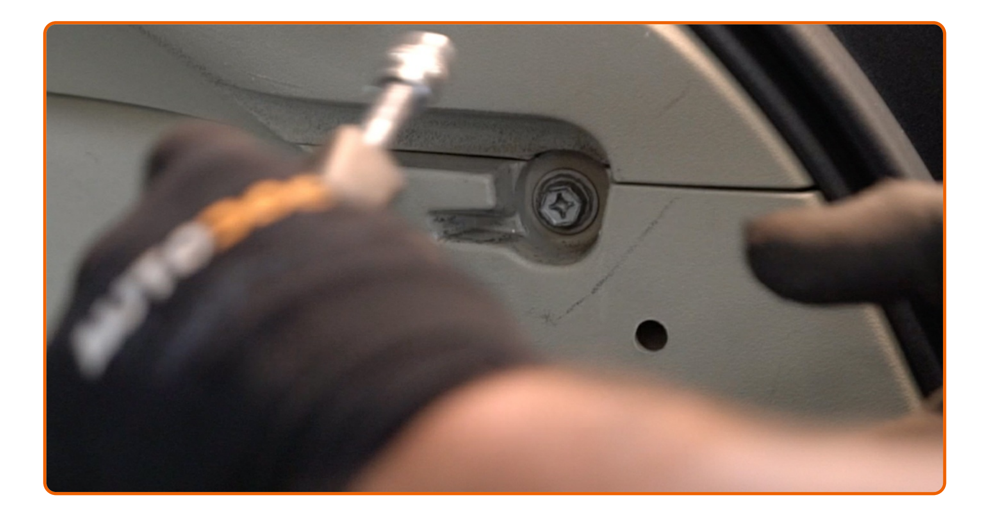
Install the boot side sound insulation and screw in its fasteners. Use a drive socket #10. Use a ratchet wrench.

57



Screw in the fastener of the boot side lining. Use a drive socket #10. Use a ratchet wrench.

58



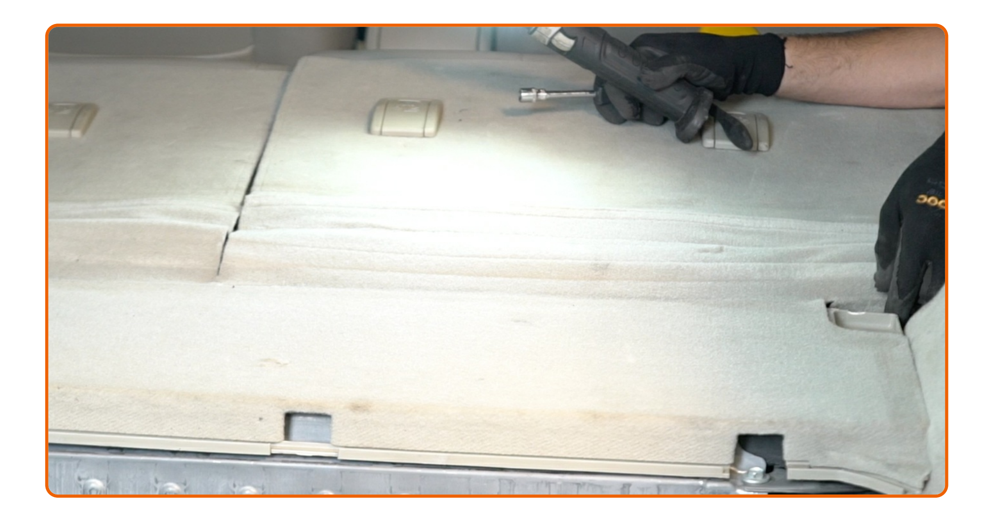
Screw the fasteners of the side plastic trim panel. Use a drive socket #10. Use a ratchet wrench.

59



Install the seat belt trim cover.

60



Install the central protective plastic panel.

61



Screw in the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.

62



Attach the side lining of the boot.

63



Install the plastic door sill plate.

64



Return the seat to its original position.

65



Install the boot front lower lining.

66



Install the clips of the boot front lower lining.

67



Put down the lower lining of the boot.

68



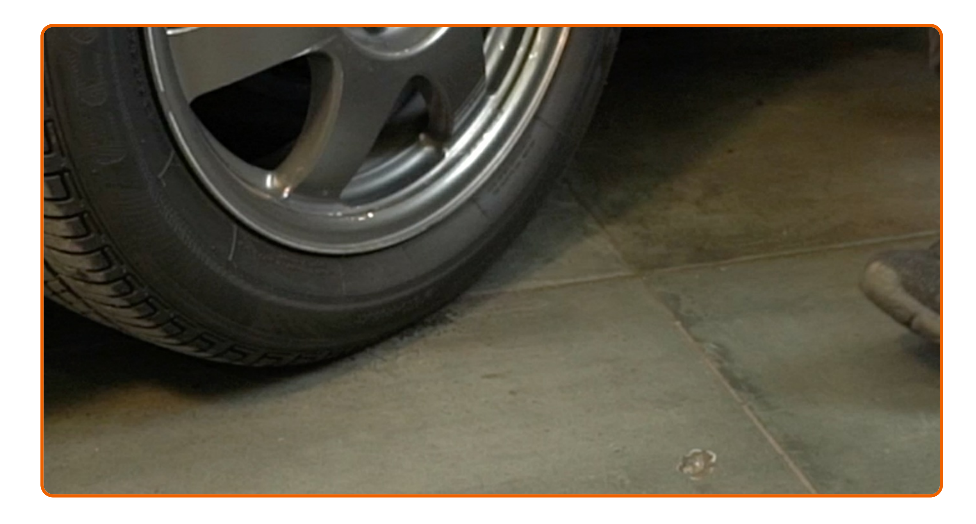
Install the folding shelf to its mounting seat.

69



Close the lid of the luggage compartment.

70



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

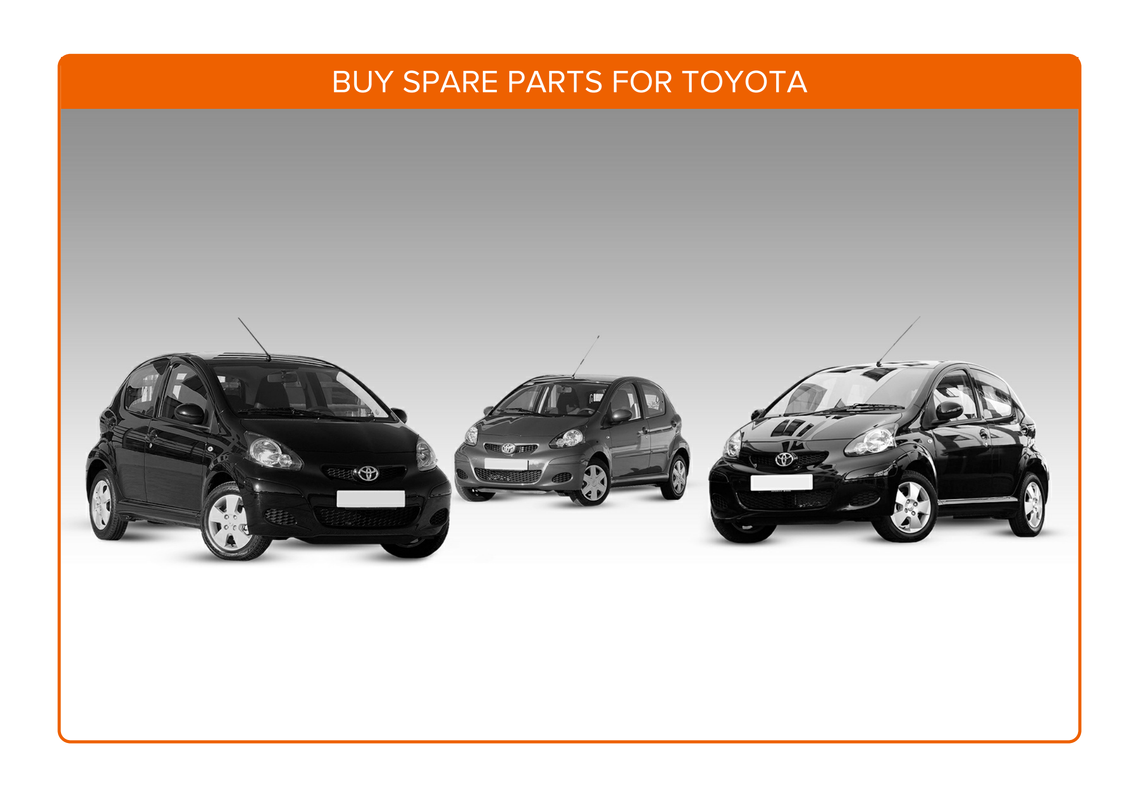
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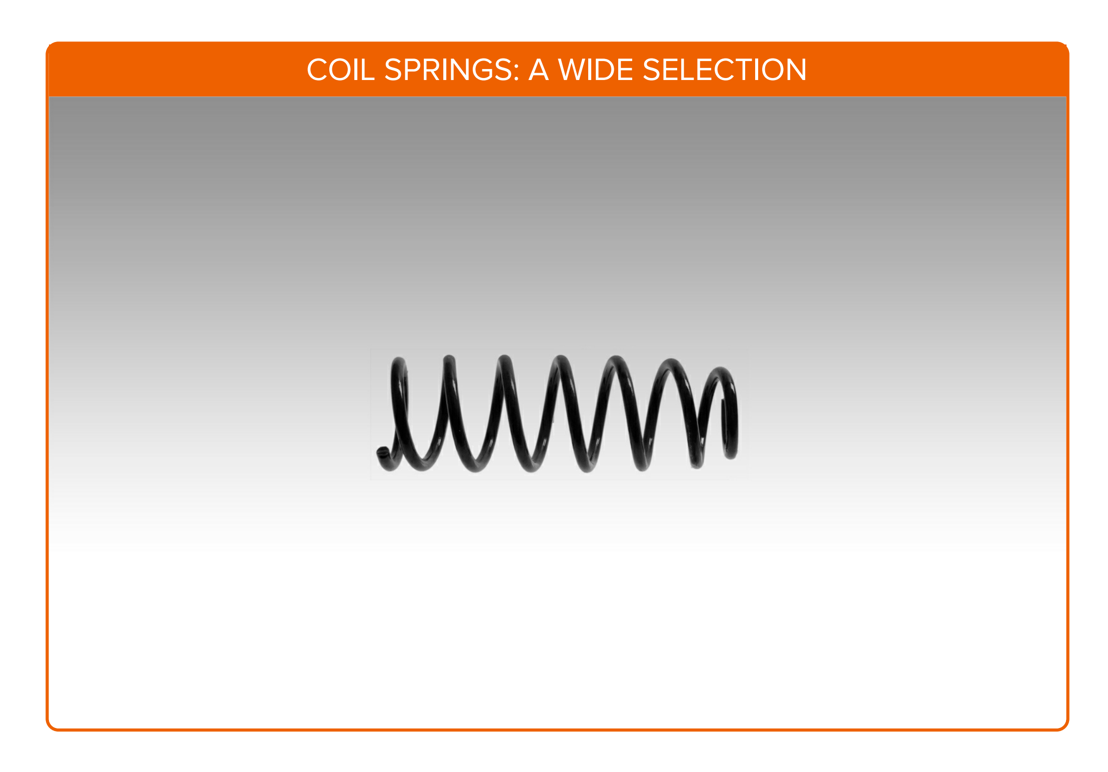
NO



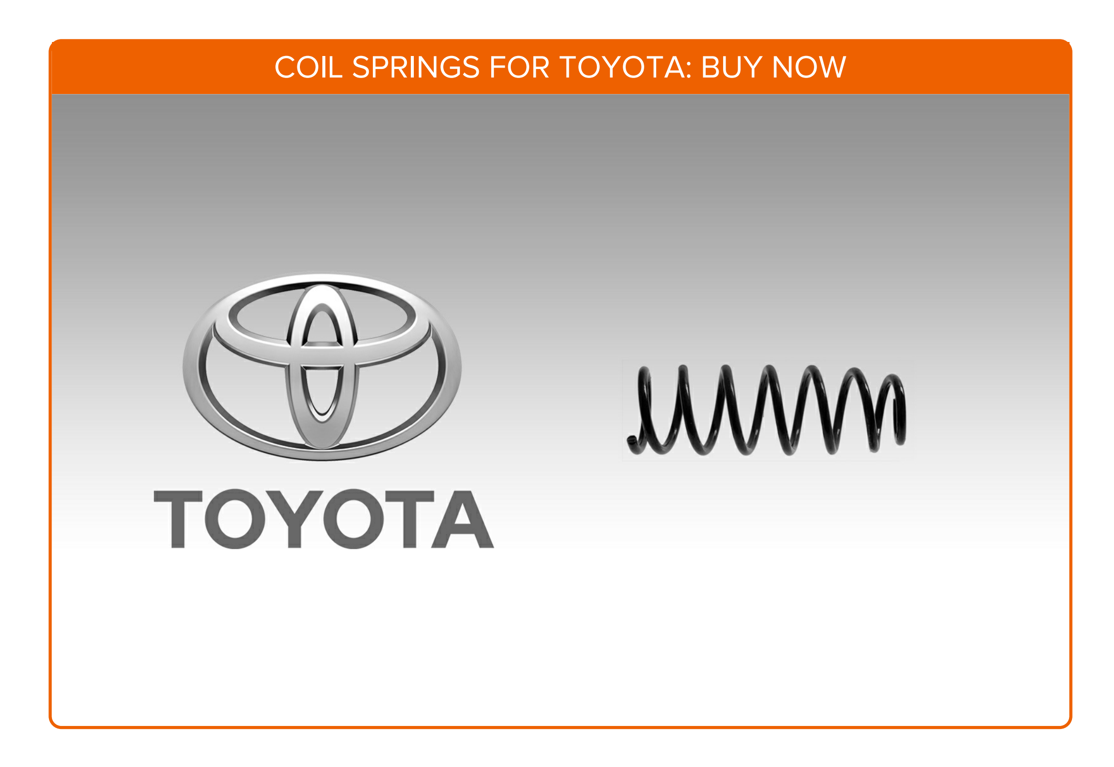
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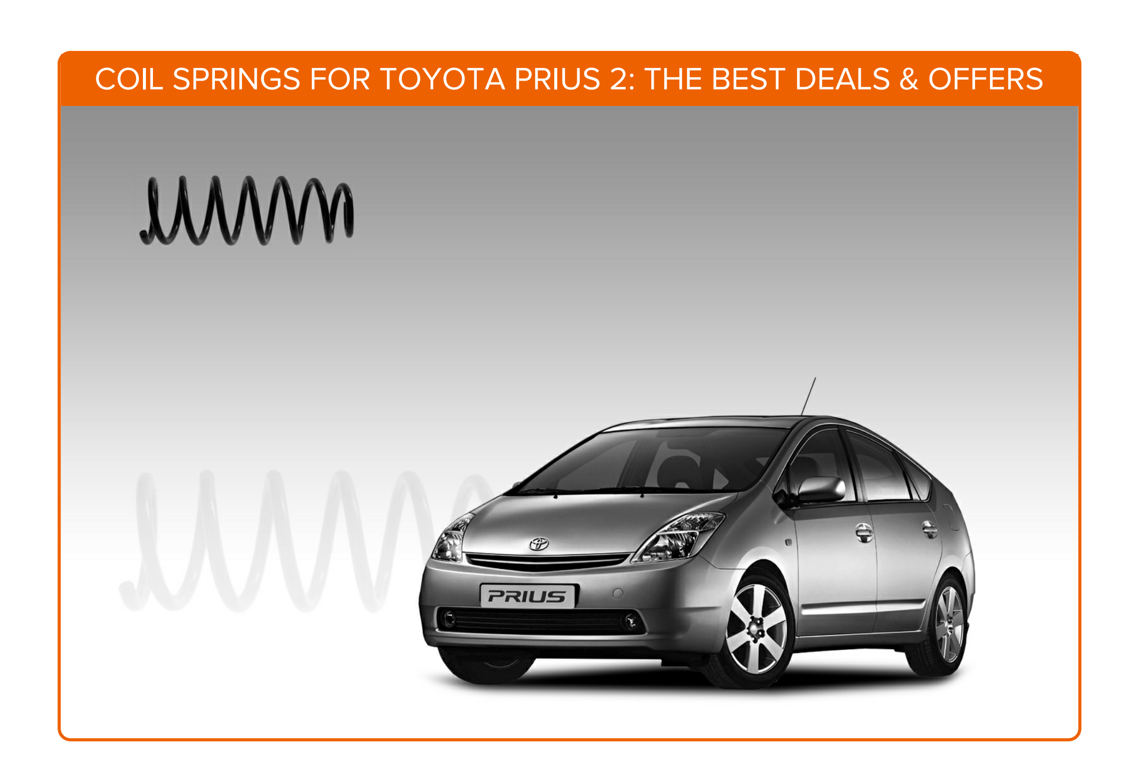

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COIL SPRINGS: A WIDE SELECTION


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PRIUS


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